

# NOTCH1 Rabbit Polyclonal Antibody



CAB16673

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

120kDa

### Calculated MW:

272kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple different domain types. Notch signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma.

## Immunogen information

### Gene ID:

4851

### Uniprot

P46531

### Synonyms:

AOS5; AOVD1; TAN1; hN1; NOTCH1; Activated NOTCH1; notch 1

### Immunogen:

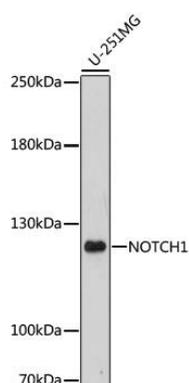
A synthetic peptide of human NOTCH1

### Storage:

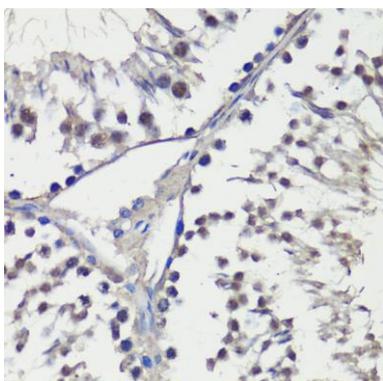
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

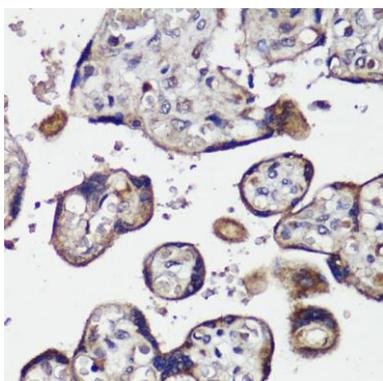
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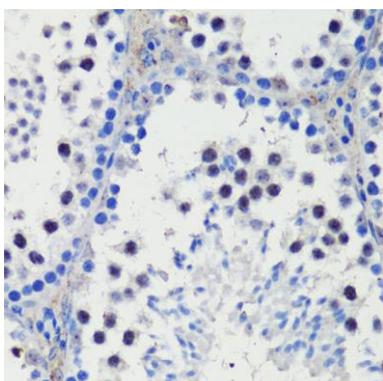
Western blot analysis of extracts of U-251MG cells, using NOTCH1 antibody (CAB16673) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 300s.



Immunohistochemistry of paraffin-embedded rat testis using NOTCH1 antibody (CAB16673) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using NOTCH1 antibody (CAB16673) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using NOTCH1 antibody (CAB16673) at dilution of 1:200 (40x lens).